Patent Claims

1. A soldered refrigerant condenser, consisting of a heat exchanger network with flat tubes and corrugated ribs, of collecting tubes which are fluid-connected to the flat tubes, and of a header (10) which is arranged parallel to one of the collecting tubes and which receives within it a dryer and/or filter and is fluid-connected to the collecting tube via overflow orifices (13, 14), **characterized** in that the dryer is formed by a space which receives a dryer medium (28) and which is delimited by a portion (18) of the header (10, 11) and two closing plates (23, 24) passing through the cross section of the header (10, 11).

2. The condenser as claimed in claim 1, **characterized** in that at least one of the closing plates is designed as a perforated plate (23, 24).

3. The condenser as claimed in claim 1 or 2, **characterized** in that the portion (18) of the header (10, 11) is widened in its cross section with respect to the adjacent regions (19, 20).

4. The condenser as claimed in claim 3, **characterized** in that the header (10) is designed as a tube (11) and the widened portion (18) is produced by expansion.

5. The condenser as claimed in one of claims 1 to 4, **characterized** in that a felt layer (27) is arranged between the lower perforated plate (23) and the granulate (28).

6. The condenser as claimed in one of claims 1 to 5, **characterized** in that an elastically prestressed pressure plate (29) is arranged between the upper

closing plate (24) and the granulate (28).

7. The condenser as claimed in one of claims 1 to 6, **characterized** in that the closing plates (23, 24) form a firm connection with the wall (21, 22) of the header (10).

8. The condenser as claimed in claim 7, **characterized** in that the connection is frictional.

9. The condenser as claimed in claim 7 or 8, **characterized** in that the connection is positive.

10. The condenser as claimed in claim 7, 8 or 9, **characterized** in that the connection is materially integral.

11. The condenser as claimed in one of the preceding claims, **characterized** in that the upper closing plate is designed as a closure (16) of the header (10).

12. The condenser as claimed in one of claims 1 to 10, **characterized** in that the portion (18) containing the dryer granulate (28) is arranged in the upper region of the header (10), preferably in the upper third, in relation to the total height H of the header (10).

13. The condenser as claimed in one of claims 1 to 12, **characterized** in that the filter (31) is arranged in the lower region of the header (10) between the two overflow orifices (13, 14).

14. The condenser as claimed in claim 13, **characterized** in that the filter (31) is designed as a cup-shaped close-mesh sieve.

15. The condenser as claimed in claim 14, **characterized** in that the sieve (31) has an annular edge region (33) which is firmly connected to the wall (34) of the header (10, 12).